

INTERNATIONAL SEARCH REPORT

Intern al Application No
PCT/GB 03/03357

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 B32B35/00 B25B3/00 B32B17/10 B25B11/00 B60J1/20				
According to International Patent Classification (IPC) or to both national classification and IPC				
B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) IPC 7 B32B B25B B60J				
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched				
Electronic data base consulted during the International search (name of data base and, where practical, search terms used) EPO-Internal, WPI Data, PAJ				
C. DOCUMENTS CONSIDERED TO BE RELEVANT				
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.		
X	US 5 104 304 A (DOTSON JIMMY R) 14 April 1992 (1992-04-14) column 2, line 51 -column 4, line 9; figures 1-3	1,2, 4-7, 9,10, 12-15		
X	US 4 047 863 A (KELCHNER HARLEY E ET AL) 13 September 1977 (1977-09-13) column 3, line 25 -column 6, line 19; figures 1,2	1,9, 13, 15,16		
A	EP 0 402 875 A (DOTSON JIMMY R) 19 December 1990 (1990-12-19) column 3, line 24 -column 6, line 28; figures 2,3	1-4, 9, 12-15		
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<input checked="" type="checkbox"/> Further documents are listed in the continuation of box C.				
<input checked="" type="checkbox"/> Patent family members are listed in annex.				
* Special categories of cited documents :				
<table style="width: 100%;"> <tr> <td style="width: 50%; vertical-align: top;"> *A* document defining the general state of the art which is not considered to be of particular relevance *E* earlier document but published on or after the International filing date *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) *O* document referring to an oral disclosure, use, exhibition or other means *P* document published prior to the international filing date but later than the priority date claimed </td> <td style="width: 50%; vertical-align: top;"> *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. *&* document member of the same patent family </td> </tr> </table>			*A* document defining the general state of the art which is not considered to be of particular relevance *E* earlier document but published on or after the International filing date *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) *O* document referring to an oral disclosure, use, exhibition or other means *P* document published prior to the international filing date but later than the priority date claimed	*T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. *&* document member of the same patent family
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Date of the actual completion of the international search <div style="text-align: center; font-weight: bold;">20 October 2003</div>		Date of mailing of the international search report <div style="text-align: center; font-weight: bold;">06/11/2003</div>		
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax (+31-70) 340-3016		Authorized officer <div style="text-align: center; font-weight: bold;">Schmid, K</div>		

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 4 291 866 A (PETERSEN PAUL S) 29 September 1981 (1981-09-29) abstract; figure 2 -----	1,9,12, 13

INTERNATIONAL SEARCH REPORT

Information on patent family members

Internat'l Application No

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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 5104304	A	14-04-1992	NONE	
US 4047863	A	13-09-1977	NONE	
EP 0402875	A	19-12-1990	US 4954300 A	04-09-1990
			AU 625038 B2	25-06-1992
			AU 5699190 A	20-12-1990
			CA 2018842 A1	14-12-1990
			EP 0402875 A2	19-12-1990
US 4291866	A	29-09-1981	CA 1144531 A1	12-04-1983